



SMARTSCAPE Annual Report

July 1, 2020 –
June 30, 2021



THE UNIVERSITY OF ARIZONA
Cooperative Extension
Maricopa County

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Maricopa County Cooperative Extension
June 30, 2021

Smartscape Program Annual Report

1. Program Summary Statement

The Smartscape program continued to respond and adapt to COVID-19 conditions. The Fall 2020 and Spring 2021 Smartscape, and the 2021 Advanced Smartscape: Irrigation courses were presented online via Zoom. Instructors were still able to deliver quality information and participants received all the materials that complement each class. Pima Smartscape administered the Fall Smartscape exam online, via a system they purchased. Maricopa Advanced Smartscape: Irrigation hosted Pima participants to allow Pima Smartscape to concurrently run a new program they launched. These are examples of the strengthened collaboration and support between the programs of the two counties. Unfortunately, instructors felt that we could not deliver a quality training experience for the 2020 Advanced Smartscape: Irrigation course online, and we had to cancel the course (previously rescheduled for November 2020). The 2021 Spanish Smartscape course offered in May was the first in-person training since the beginning of the pandemic. The course ran successfully, with modifications in compliance with University of Arizona COVID-19 protocol designed to keep everyone safe.

Branding developed by our sponsors allowed formatting cohesion in Smartscape materials such as course flyers, presentations, and other items.

Maricopa County Smartscape plans to launch a new Advanced Smartscape: Plant Identification & Maintenance course in the coming year. It will be offered in both English and Spanish.

The Smartscape program strives to provide students with the essential skills and knowledge to plan, create, and care for water-efficient landscapes. Conditions this past year provided opportunity to showcase the program's commitment to this goal, and ability to adapt and innovate to maintain educational opportunities for our audience. The program continues to hold a recognized and prominent place within the green industry in the greater Phoenix metropolitan area.

2. Program Impact Numbers Summary

Smartscape Impact Numbers Summary July 1, 2020 – June 30, 2021

NAME OF COURSE	Dates	Total Instructional Hours	Percent Successfully Completed	Total Number of Certificates
Smartscape (10 classes)	July/Aug 2020	30	91%	42
Smartscape (10 classes)	Feb/Mar 2021	30	78%	35
Smartscape en Español (10 classes)	May/June2021	30	33%	9
Advanced Irrigation (3 classes)	April 2021	18	76%	16
TOTAL		108	73%	102

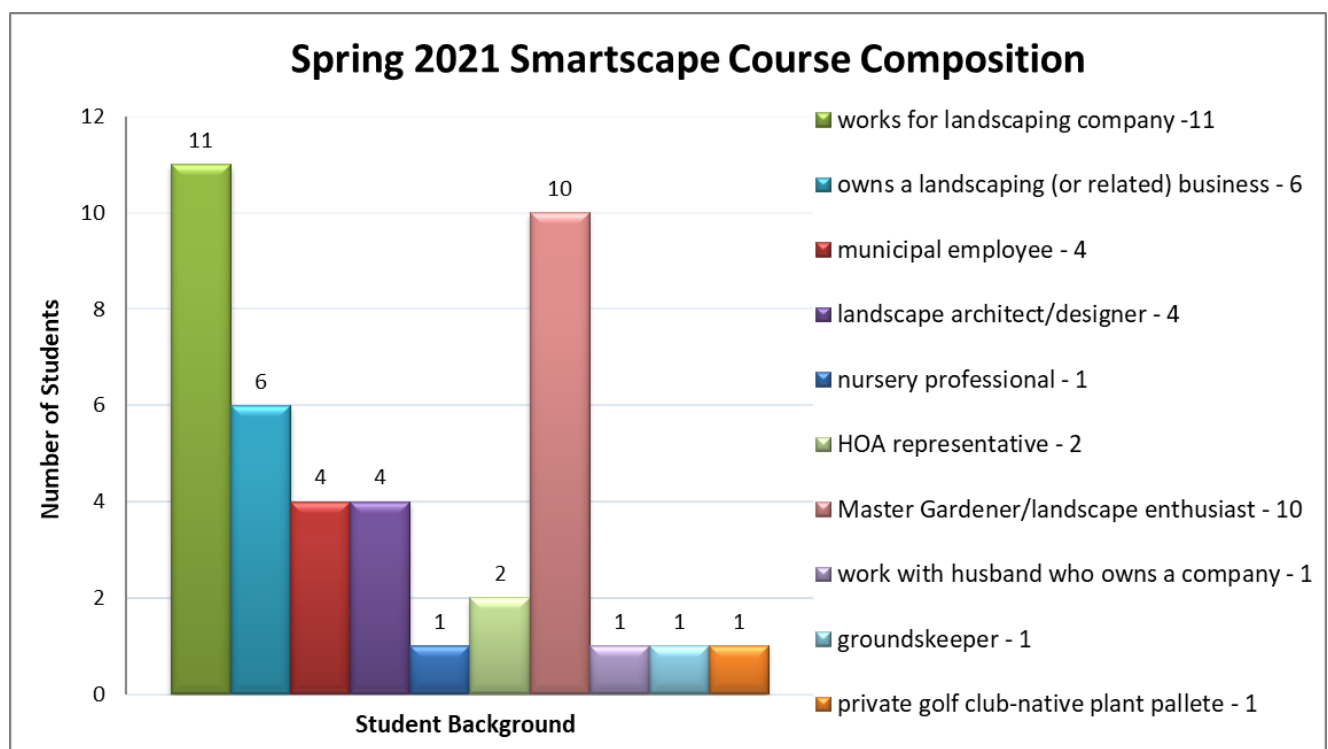
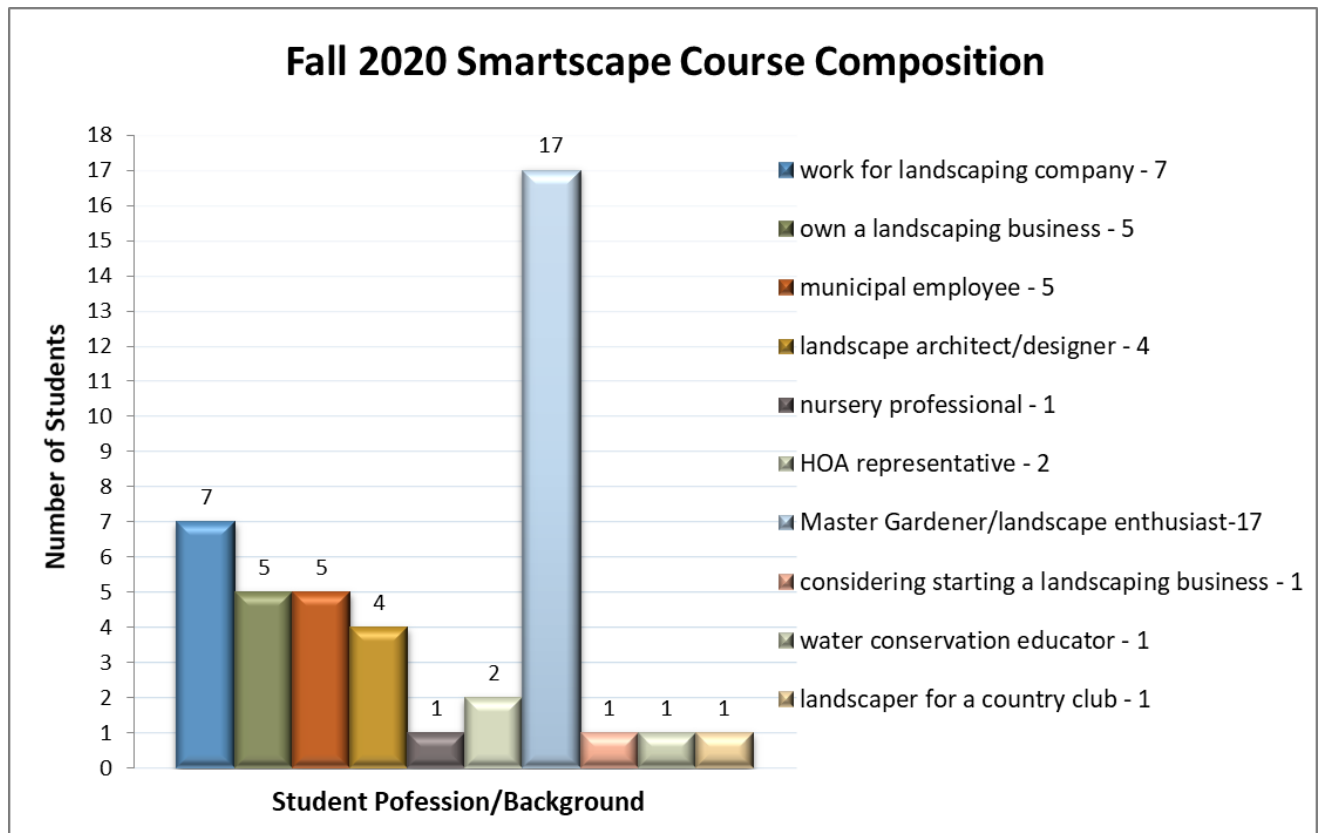
3. Smartscape Program Graduate Numbers

Year	Course	Graduates
1994 -		
2001	Smartscape	489
2002	Smartscape	41
2003	Smartscape	45
2004	Smartscape	33
2005	Smartscape	45
2006	Smartscape	44
2007	Smartscape	18
2008	Smartscape	50
2009	Smartscape	40
2010		94
	Smartscape - Spring	55
	Smartscape - Fall	39
2011		131
	Smartscape - Spring	48
	Smartscape - Fall	45
	Advanced Irrigation	38
2012		125
	Smartscape - Spring	60
	Smartscape - Fall	38
	Advanced Irrigation	27
2013		105
	Smartscape - Spring	39
	Smartscape - Fall	40
	Advanced Irrigation	26
2014		107
	Smartscape - Spring	43
	Smartscape - Fall	30
	Advanced Irrigation	34
2015		137
	Smartscape - Spring	52
	Smartscape - Fall	48
	Advanced Irrigation	37

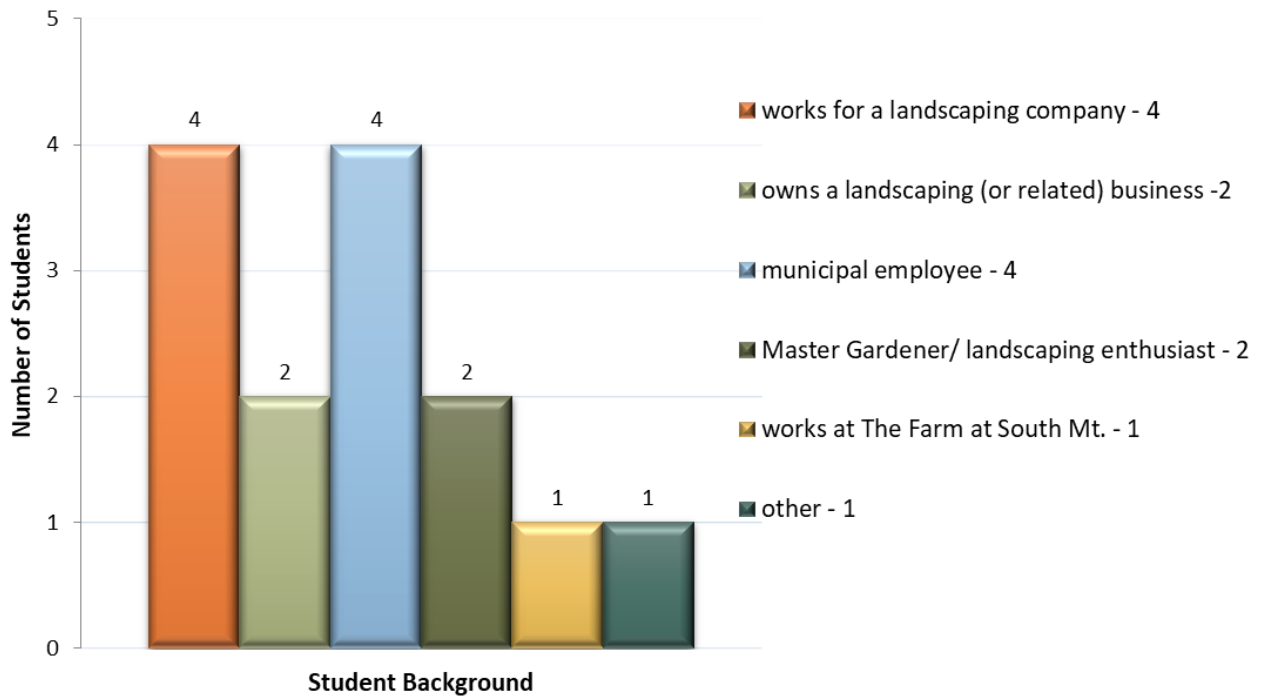
Year	Course	Graduates
2016		142
	Smartscape - Spring	45
	Smartscape - Fall	46
	Advanced Irrigation	51
2017		131
	Smartscape - Spring	48
	Smartscape - Fall	42
	Advanced Irrigation	41
2018		160
	Smartscape - Spring	43
	Smartscape - Fall	45
	Spanish Smartscape	23
	Advanced Irrigation	49
2019		142
	Smartscape - Spring	52
	Smartscape - Fall	46
	Spanish Smartscape	13
	Advanced Irrigation	31
2020		81
	Smartscape - Spring	39
	Smartscape - Fall	42
	Spanish Smartscape	
	Advanced Irrigation	
2021		60
	Smartscape - Spring	35
	Spanish Smartscape	9
	Advanced Irrigation	16
Total Program Graduates to Date:		2220

4. Community Impact

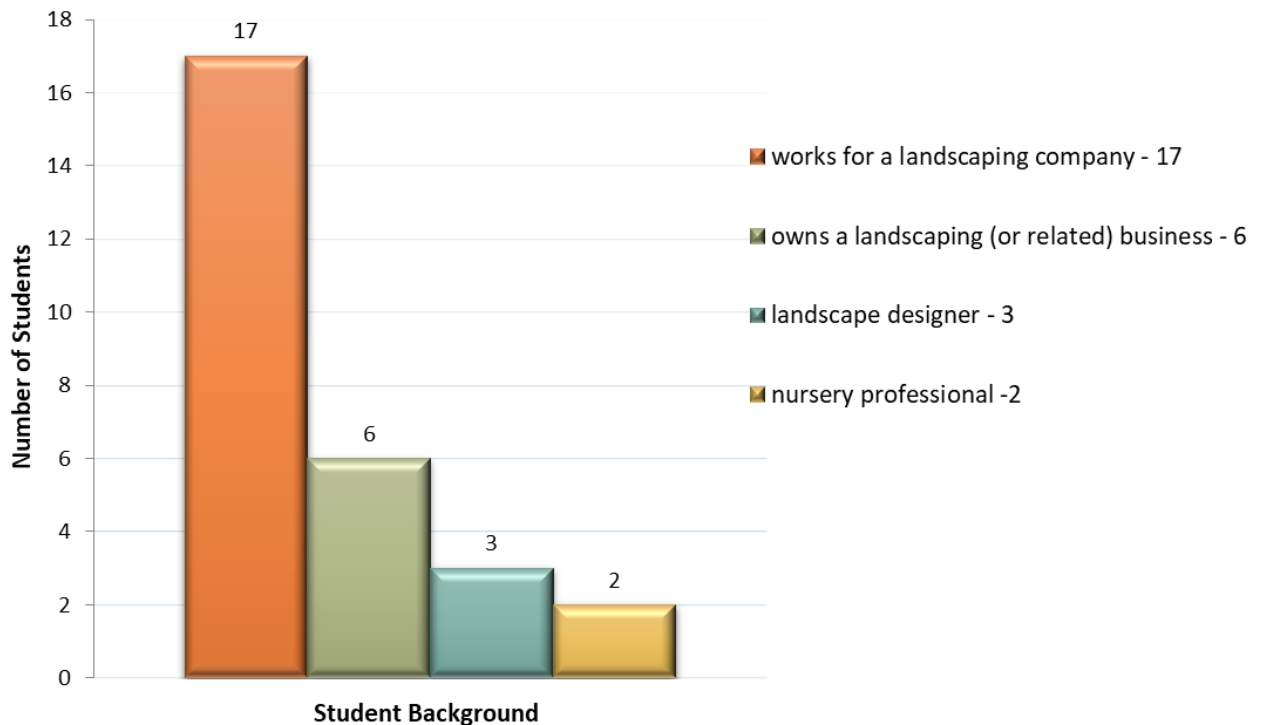
Who we are reaching within the landscape industry



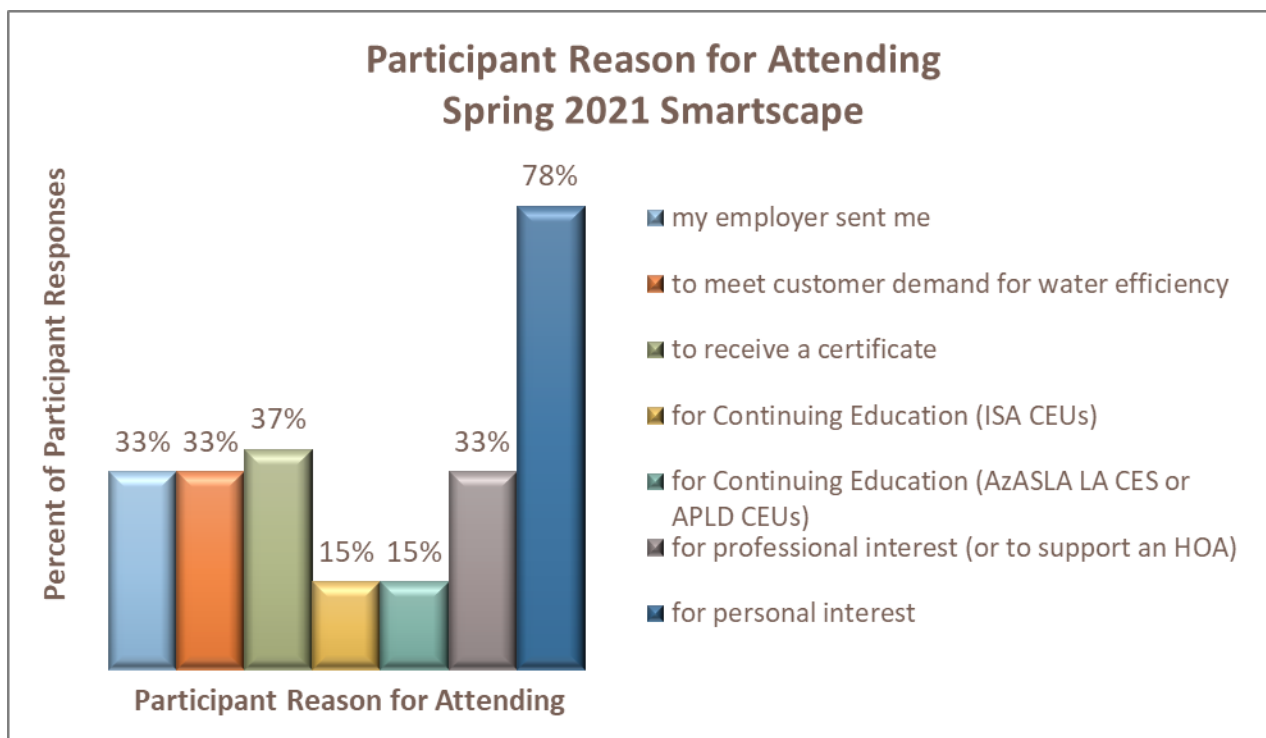
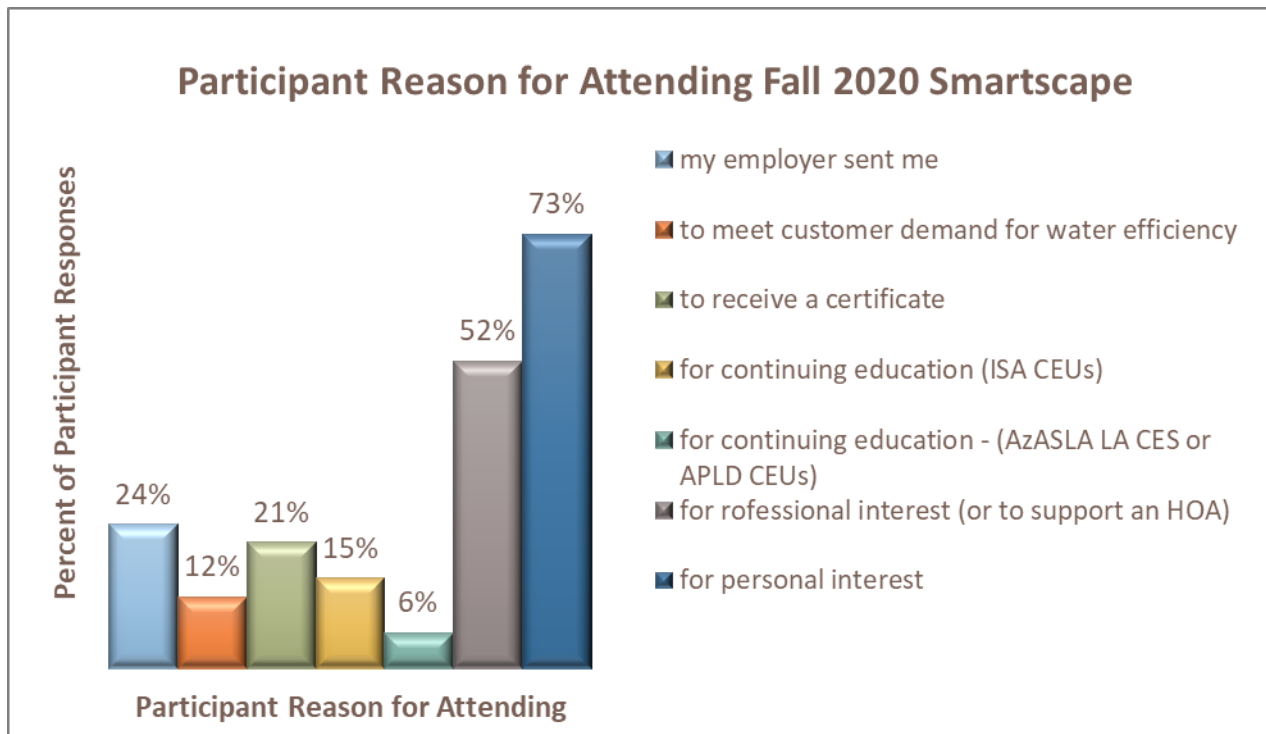
2021 Advanced Smartscape: Irrigation Course Composition



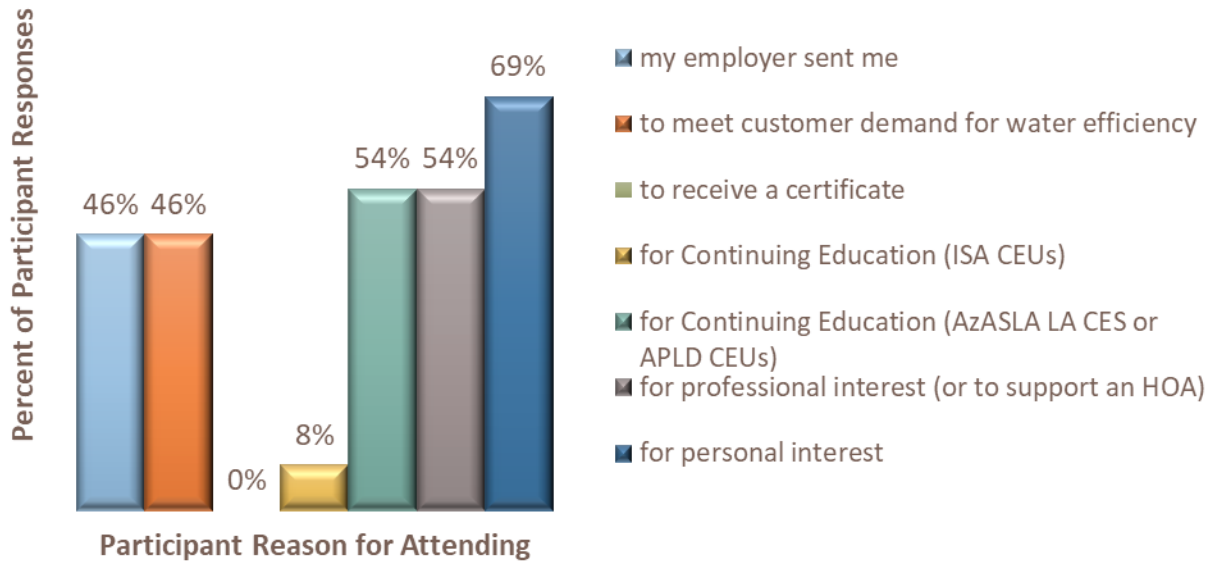
2021 Spanish Smartscape Course Composition



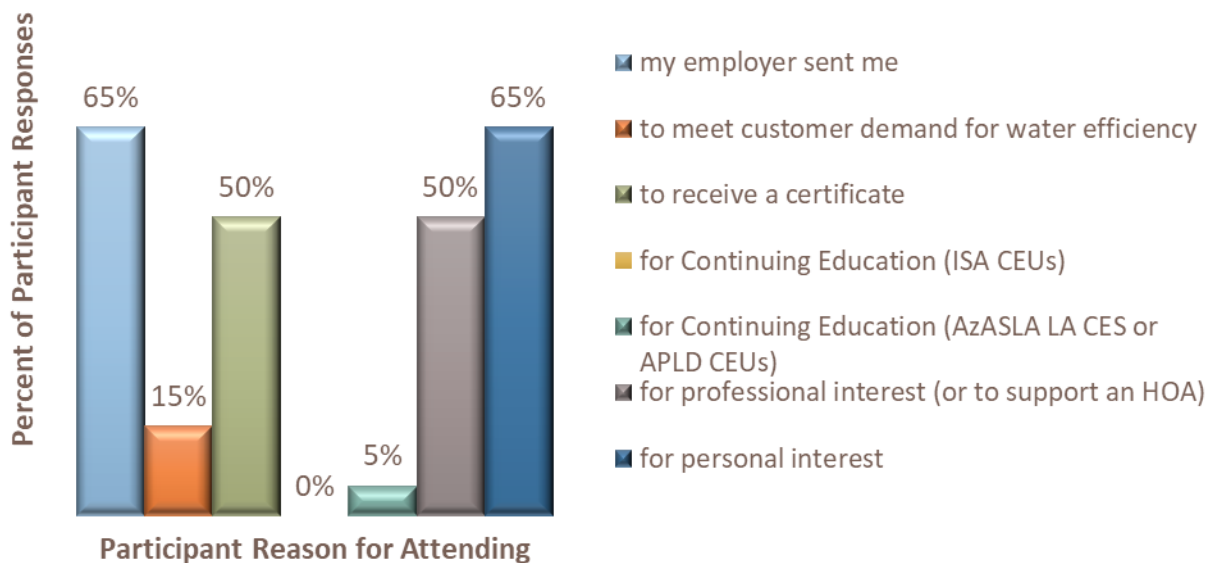
Why the participants attended the course



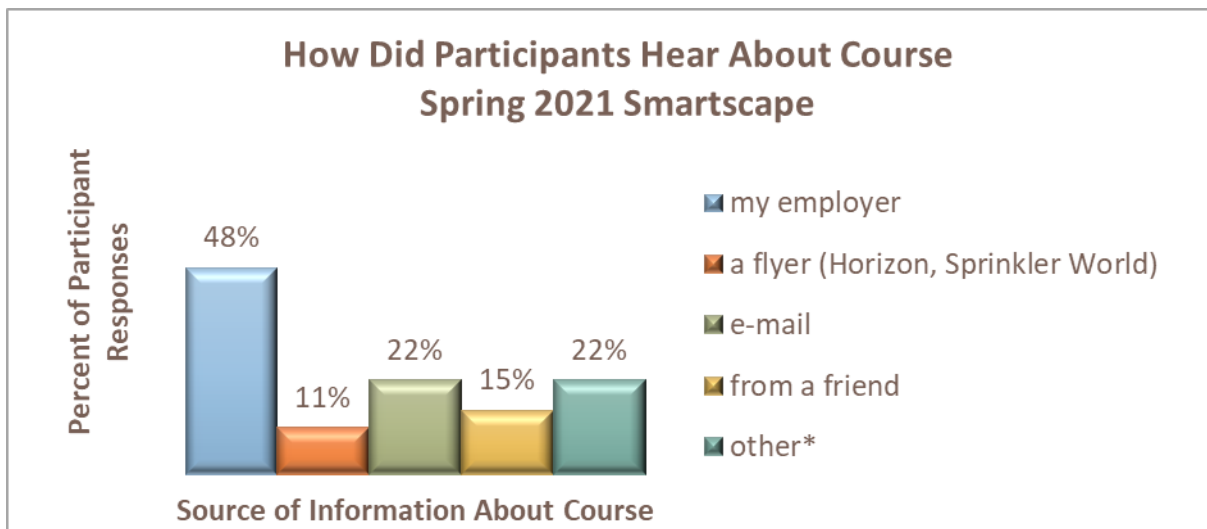
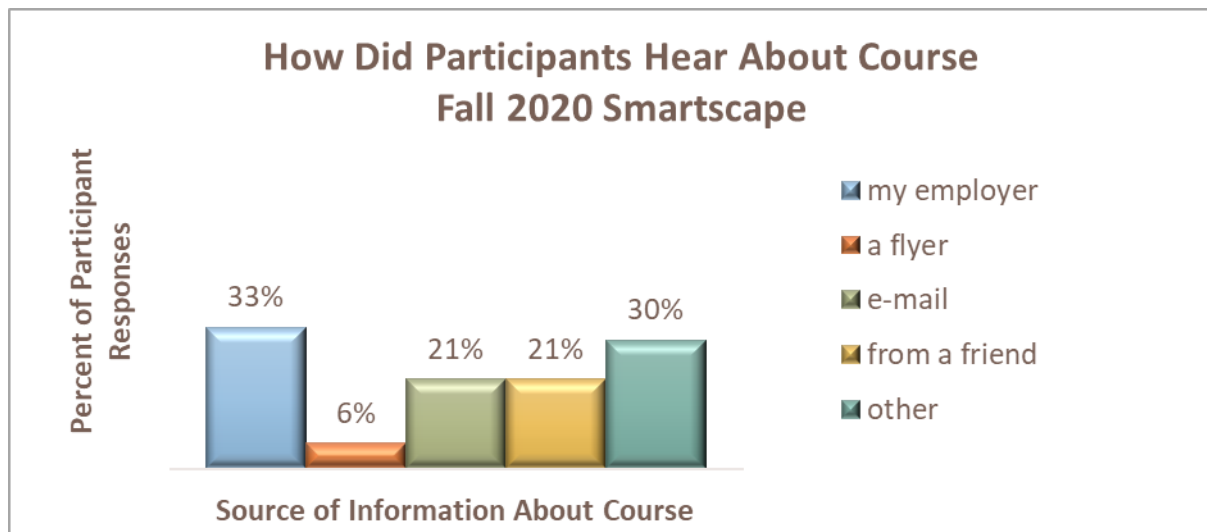
Participant Reason for Attending 2021 Advanced Smartscape: Irrigation



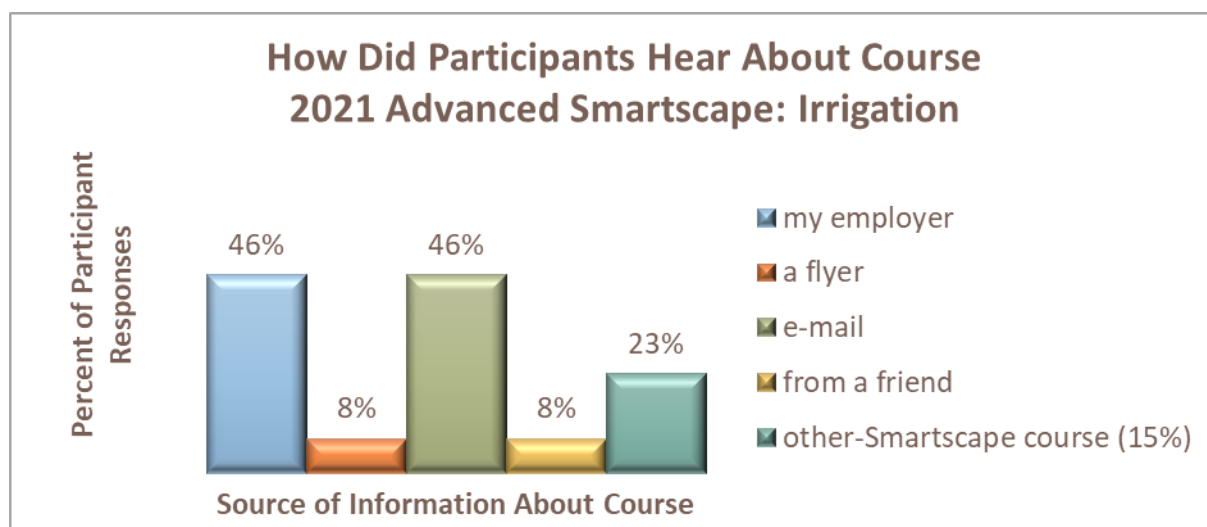
Participant Reason for Attending 2021 Spanish Smartscape

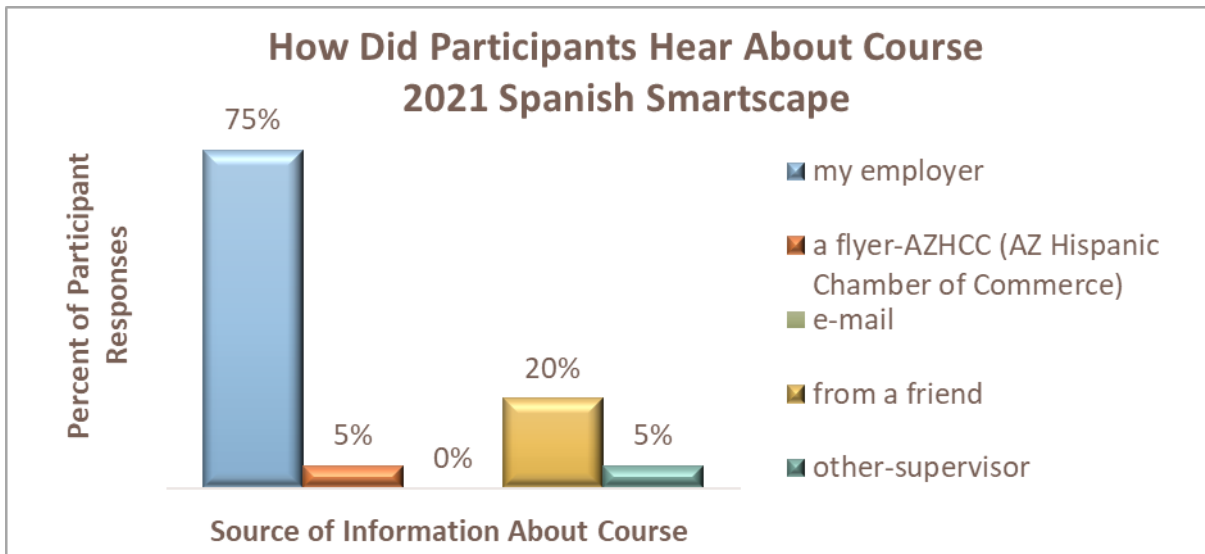


How the participants heard about the course



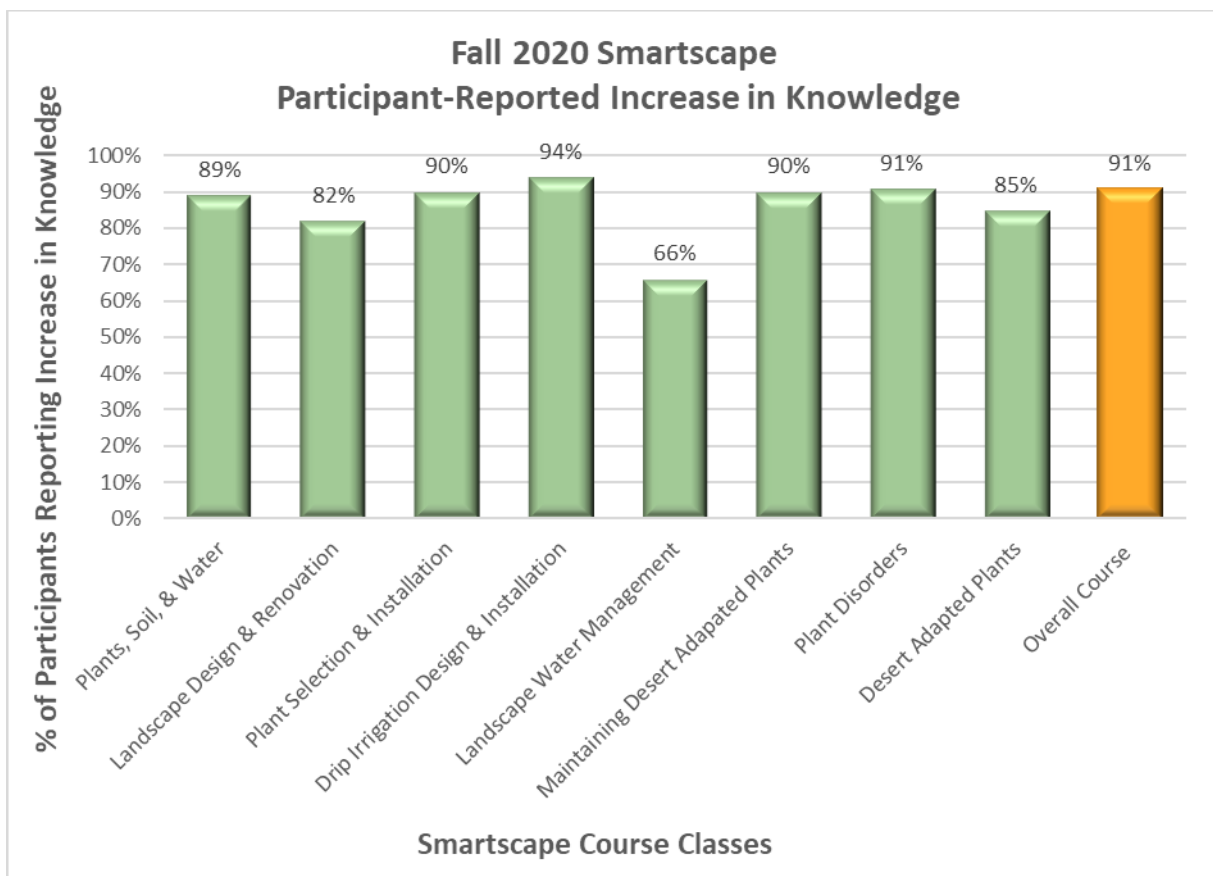
* from ALCA, other classes through UofAZ, Master Gardener, my dad, ACTC website, online research



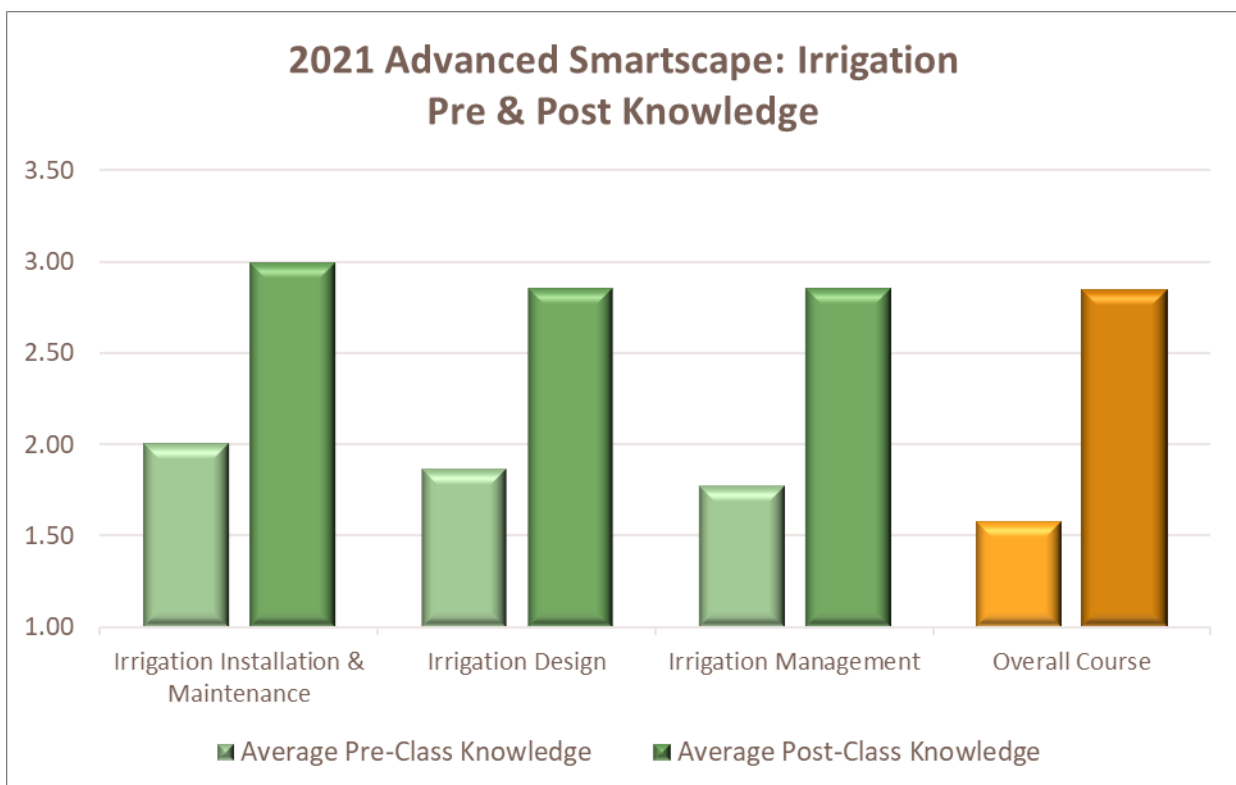
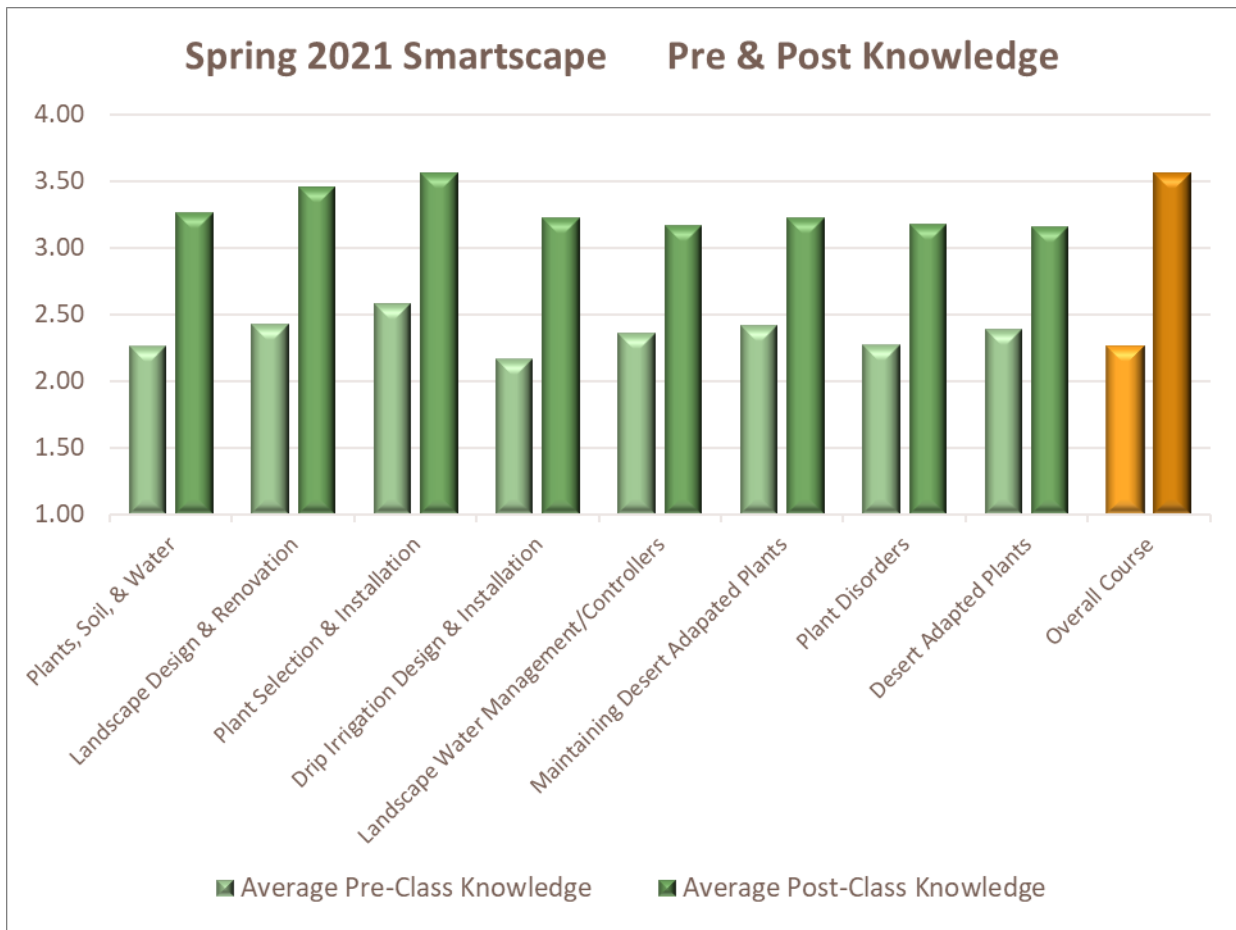


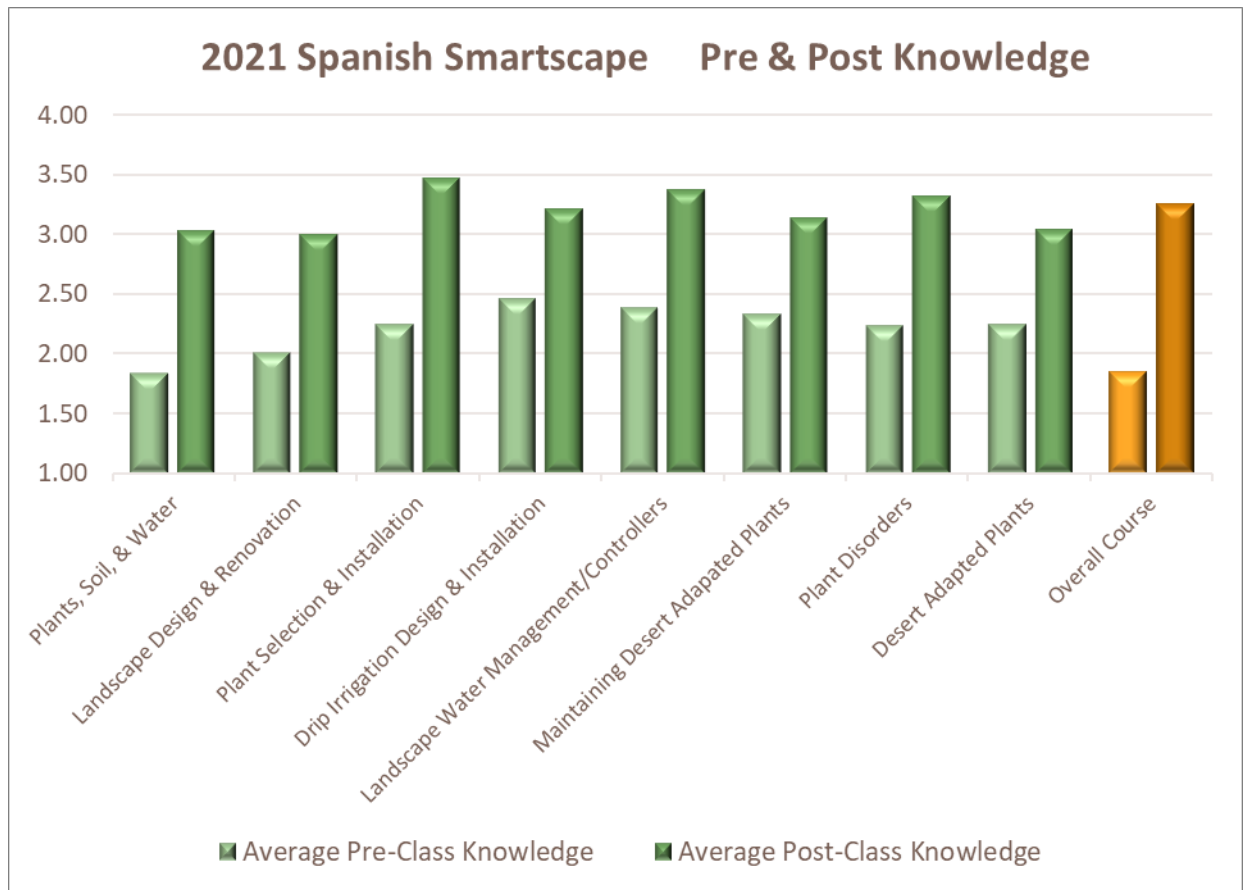
Evaluation Data

Participants Reporting Increased Knowledge (individual classes and overall course)

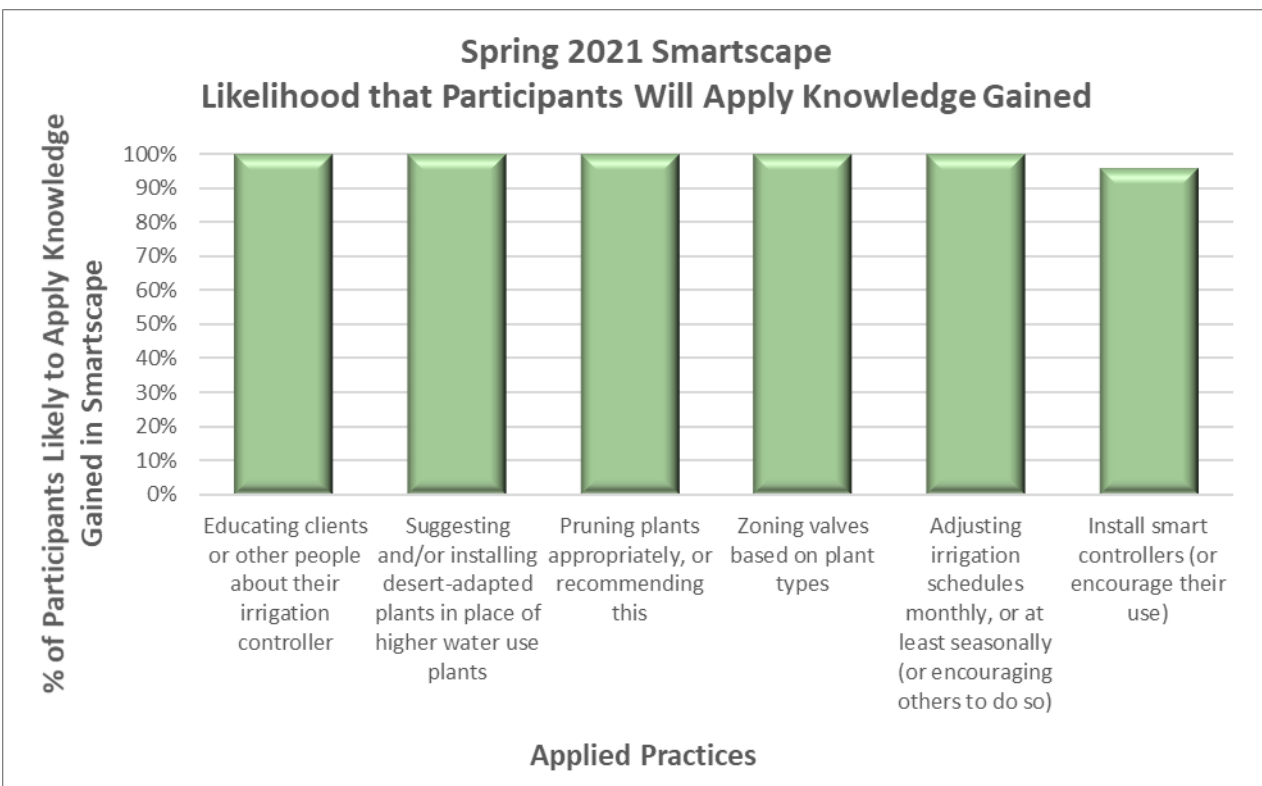
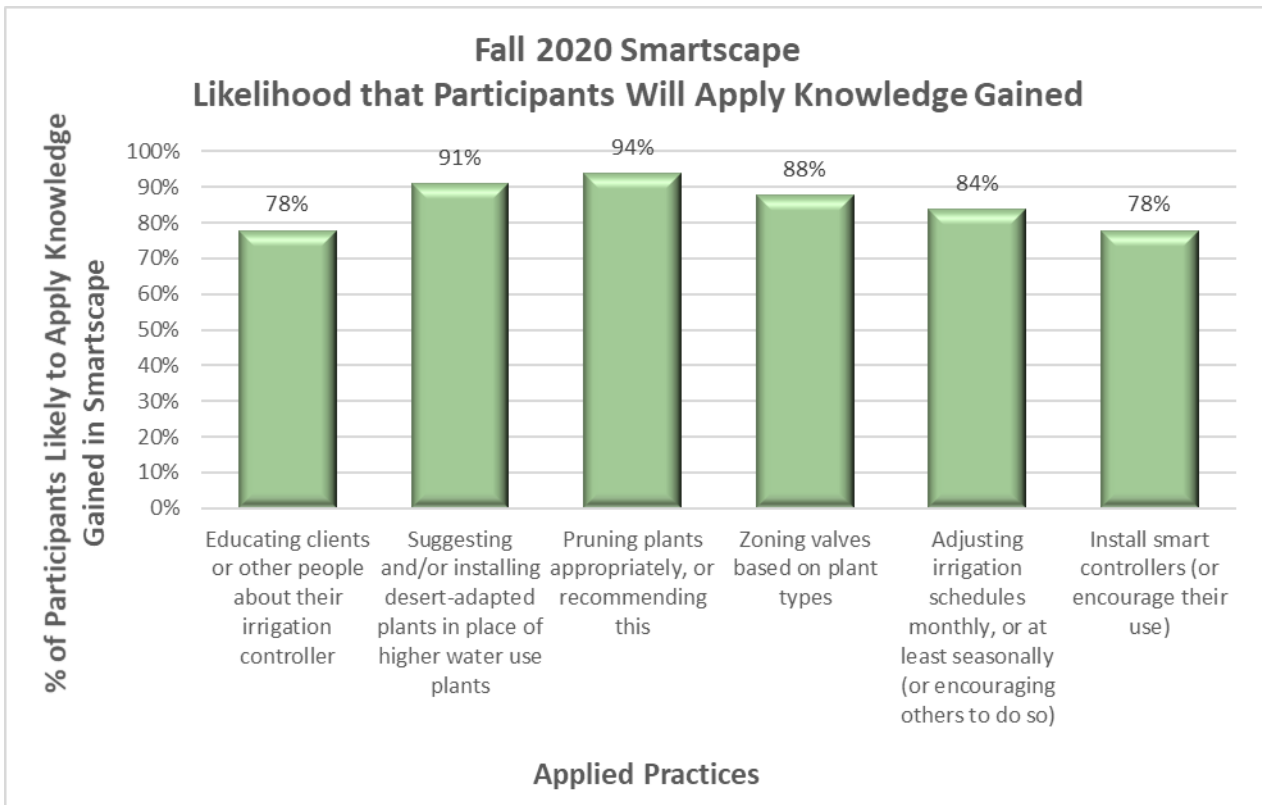


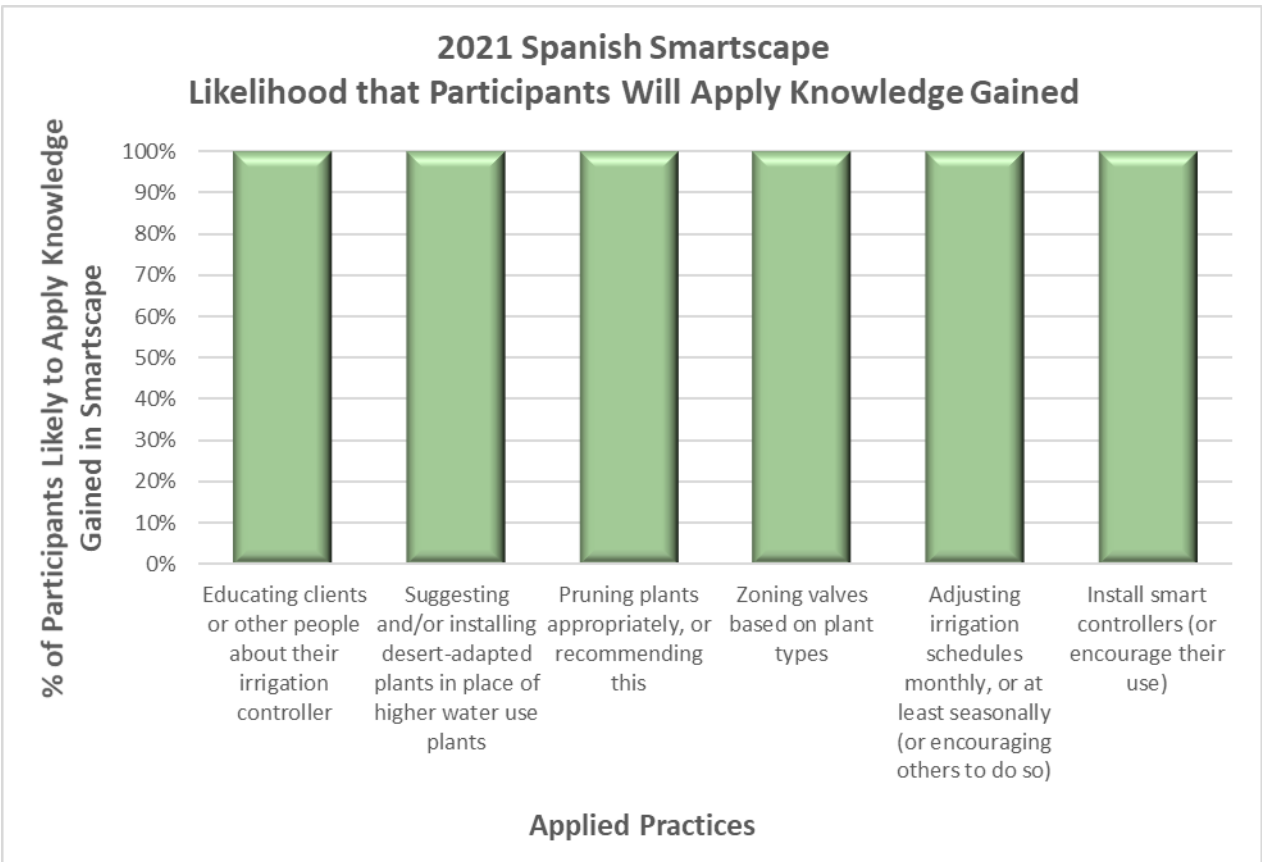
Participant-Reported Level of Knowledge Before and After Individual Classes and Overall Course



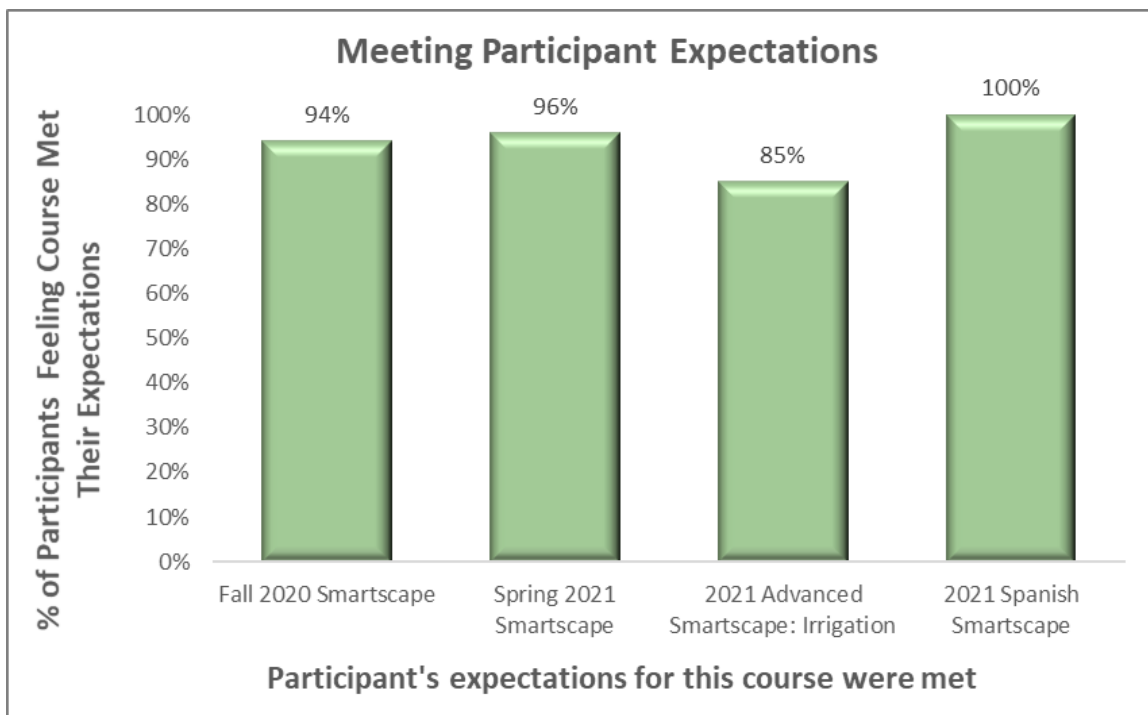


Likelihood of Participant Application of Knowledge/Skill Transfer Following Course

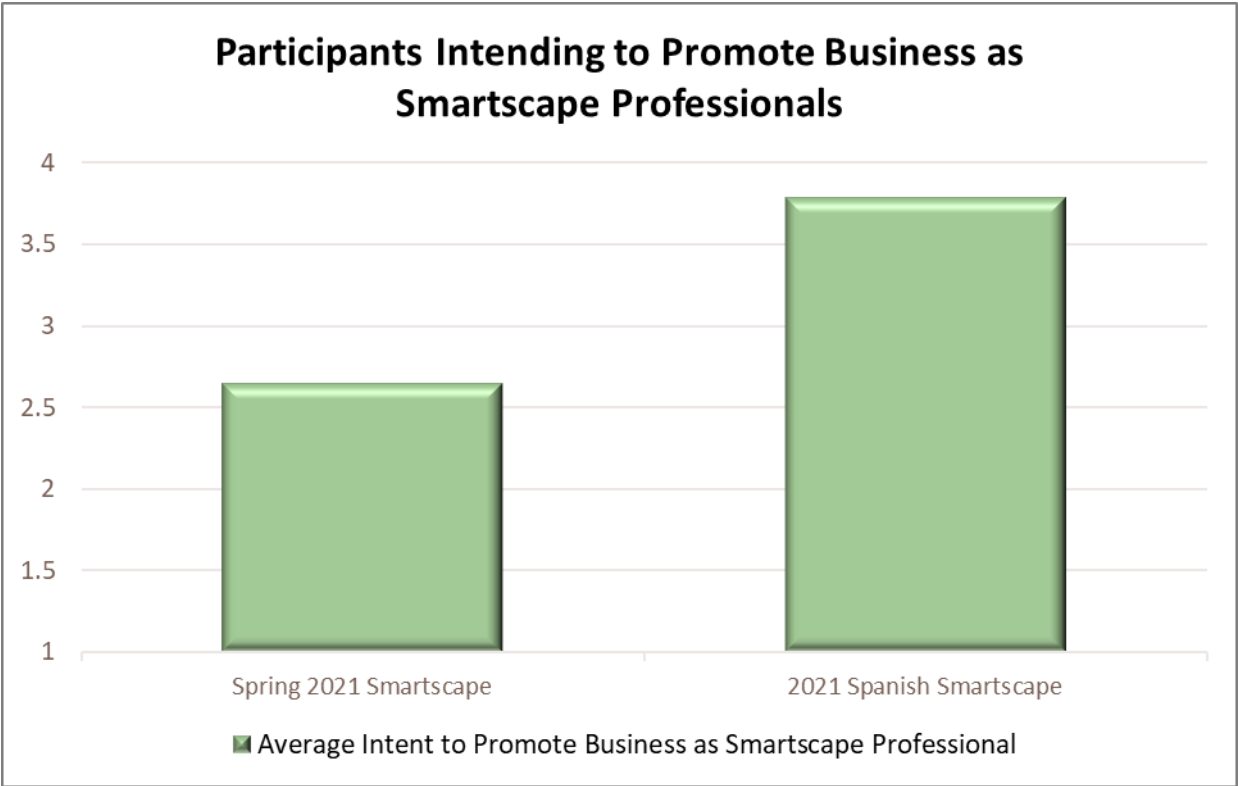
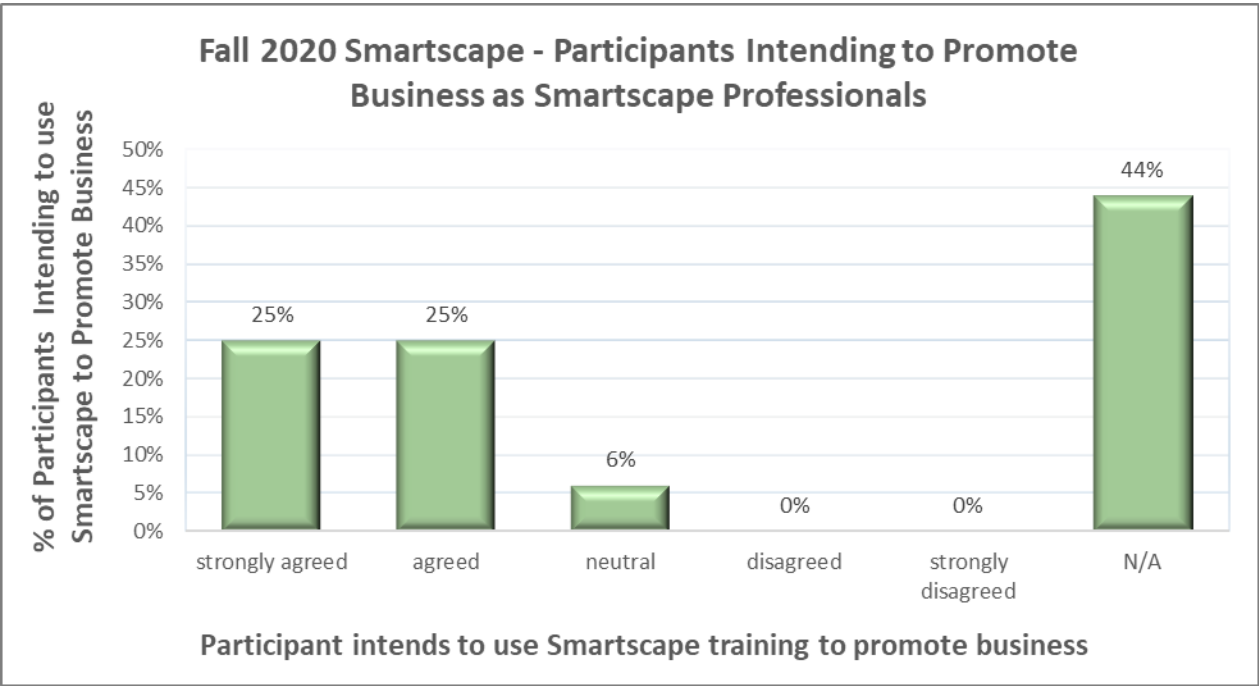




Overall Course Evaluation



Business Promotion: Participant intent to use Smartscape training to promote business



5. Innovations and Achievements

a. Curriculum Development and Changes

- The PowerPoint presentations for each class of all Smartscape courses were reformatted with our new branding, to create consistency within the courses as well as between the Maricopa and Pima programs
- Created presentations highlighting UA publications associated with topic of each class to run before class or through the break
- Developed a presentation spotlighting demonstration gardens in each Valley municipality to encourage students to utilize them as a learning resource for themselves and/or their clients
- Added several new materials to the Advanced Smartscape: Irrigation flash drive that participants receive (particularly a lot of rainwater harvesting information, since time is not available to cover this in the course)
- For the Fall 2020 Smartscape, Spring 2021 Smartscape, and 2021 Advanced Smartscape: Irrigation courses, classes and testing were adapted for online delivery to accommodate COVID-19 conditions
- Produced videos for Advanced Smartscape: Irrigation course, to cover what are normally hands on activities
- Adapted our Advanced Irrigation course to accommodate attendance by Pima County participants
- Created U of AZ online D2L courses enabling participants to access a wide range of resources, including color versions of the class presentations and numerous additional reference materials
- Adapted classroom procedures allowing the 2021 Spanish Smartscape course to run in-person
- Worked with Pima Smartscape to begin translation of the Smartscape Study Guide into Spanish

b. Hiring

- Recruited new instructors to replace those retired, for *Maintaining Desert Adapted Plants* and *Landscape Water Management & Irrigation Controllers* classes for the Smartscape course and the *Irrigation Management* class for the Advanced Smartscape: Irrigation course

c. Research and Evaluation

- In response to participant evaluation, worked with Pima Smartscape to make our presentations more engaging

6. Outreach and Communication

a. Program Promotion

- Course flyers
 - E-mails sent to Smartscape listserv (over 1000 past program participants) and businesses (landscape companies, wholesale nurseries, irrigation stores, rock yards, and soil labs – approximately 800)
 - City of Mesa sent emails to HOA and commercial property managers
 - Flyers distributed to businesses (wholesale nurseries, irrigation stores, rock yards, and equipment rental/sales businesses)

- Promotion by Smartscape supporters
 - AMWUA included Smartscape as a supporter of the 2020 SHADE conference
 - Smartscape courses are listed on AMWUA, ACTC (Arizona Community Tree Council) and City of Tempe websites, and in City of Mesa *Living Green* newsletters
 - Cross-promotion continued with other University of Arizona Cooperative Extension programs such as the Desert Turf Program and Master Gardeners
- Social media promotion included posts to the Smartscape Facebook page about upcoming classes and landscaping topics

b. Additional Outreach

- Delivered two presentations for the ACTC 2020 Annual Conference & Pest Management Workshop and one presentation for the 2021 Pest Management Workshop as opportunity to promote Smartscape programs
- Participated in the MAG Landscape and Irrigation Standards Working Group to update ROW Standards, helping to increase Smartscape awareness among members of municipal/organizational groups
- With Pima Smartscape, developed a Smartscape program poster for the Arizona Cooperative Extension Virtual Conference 2020